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output transducer to introduce the control signal. Performance of the model is selectively controlled to control the signal sent to the output transducer. Various monitoring and control methods are provided, including spectral leak signal monitoring and control, correction signal monitoring and control, frequency responsive spectral transfer function processing of the leak signal and/or the correction signal, reference signal processing, and fuzzy logic control.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 6121

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X,D	EP 0 661 807 A (DIGISONIX INC) 5 July 1995 * column 2, line 52 - column 4, line 39 * * figures 4-6 * ---	1,2, 19-21, 23,27, 29,34, 37, 40-42,54	G10K11/178
X	EP 0 340 974 A (NELSON IND INC) 8 November 1989 * column 2-4 * ---	1	
X	EP 0 517 525 A (MATSUSHITA ELECTRIC IND CO LTD) 9 December 1992 * page 5, line 9 - line 19 * * figures 1--9 * ---	1	
X	KIPERSZTOK O: "ACTIVE CONTROL OF BROADBAND NOISE USING FUZZY LOGIC" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS, SAN FRANCISCO, MAR. 28 - APR. 1, 1993, vol. 2, no. CONF. 2, 28 March 1993, pages 906-911, XP000371528 INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS * page 906 * * page 908, left-hand column - page 909, right-hand column * ---	43	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G10K
X A	EP 0 471 290 A (HUGHES AIRCRAFT CO) 19 February 1992 * column 9, line 22 - column 10, line 22 * * figure 4 * --- -/--	54,55 3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 October 1998	Examiner Castagné, O
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 5 018 202 A (TAKAHASHI MINORU ET AL) 21 May 1991 * figure 7 *	55	
A	WO 93 15501 A (ACTIVE NOISE & VIBRATION TECH) 5 August 1993 * the whole document *		
A,D	US 4 677 676 A (ERIKSSON LARRY J) 30 June 1987 * the whole document *		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The present search report has been drawn up for all claims			
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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03/82 (P04G01)